

Amendments to the Specification:

Please replace the paragraph starting on page 1, line 10, with the following amended paragraph:

RELATED APPLICATIONS

~~This application is related to U.S. Provisional Application Serial No. 60/257624, "Intrinsic Phase Shifter as an Element of a Superconducting Phase Quantum Bit", filed December 22, 2002, from which priority is being claimed, herein incorporated by reference in its entirety.~~ This application is further related to concurrently filed United States application Serial No. [~~Attorney Docket No. M-8915-1C-US~~] 09/839,991 entitled "Quantum Bit with a Multi-Terminal Junction and Loop with a Phase Shift" and United States application Serial No. [~~Attorney Docket No. M-8915-2C-US~~] 09/839,636 entitled "Quantum Bit with a Multi-Terminal Junction and Loop with a Phase Shift", both of which are herein incorporated by reference in their ~~entirety~~ entireties.